



Terry Tamminen  
Agency Secretary

# Air Resources Board

Alan C. Lloyd, Ph.D.  
Chairman

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Sacramento, California 95812 • [www.arb.ca.gov](http://www.arb.ca.gov)



Arnold Schwarzenegger  
Governor

December 1, 2003

#03-13

Mr. Lenard Persin  
VP Support and Technology  
Rapac Network International, Inc.  
100 First Street, Suite 200  
Hackensack, New Jersey 07601

Dear Mr. Persin:

Thank you for requesting California Air Resources Board (ARB) approval of the Rapac Network International, Inc. (RNI) Vehicle Information Receive Only (VIRO) Antenna, part number 819311010 for use with OPW 11VF and 47/R Phase I Balance Vapor Recovery System Nozzles. The VIRO Antenna collects vehicle information for fleet applications and allows only vehicles with corresponding hardware the ability to refuel. The VIRO Antenna installed on an OPW 11VF Phase I Balance Vapor Recovery Nozzle is attached to the back of the nozzle boot and hard wired to the Station Control Unit that is mounted inside the dispenser on the fuel island.

ARB staff has reviewed all information submitted and has completed a minimum 30 day test of the VIRO Antenna installed on an OPW 11VF Phase I Vapor Recovery System Nozzle. Testing was conducted at the City of Fairfield Corporate Fueling Yard located at 420 Gregory Street, Fairfield, California. ARB staff has evaluated the VIRO Antenna to verify that it does not interfere with the nozzle boot or the dispenser when hung and when fueling a vehicle. Based on our evaluation, we find the use of the 819311010 VIRO Antenna mounted on the OPW 11VF and the 47/R Phase I Vapor Recovery Nozzles, when installed in accordance with the manufacturer recommended instructions, will not adversely affect the vapor recovery systems.

Based on our conclusion and approvals by the Department of Food and Agriculture, Division of Measurement Standards; Department of Industrial Relations, Division of Occupational Safety and Health; and Department of Forestry and Fire Protection, Office of the State Fire Marshal, the VIRO Antenna part number 819311010 is approved for use on the OPW 11VF and 47R Phase I Vapor Recovery Nozzles.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

Mr Lenard Persin  
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If you have questions or need further information, please contact Vincent Bunac at (916) 327-7420 or via e-mail at [vbunac@arb.ca.gov](mailto:vbunac@arb.ca.gov) or Joe Guerrero at (916) 324-9487 or via e-mail at [jguerrer@arb.ca.gov](mailto:jguerrer@arb.ca.gov)

Sincerely,

A handwritten signature in black ink, appearing to read "Will Loscutoff", written over a circular stamp or seal.

William V. Loscutoff, Chief  
Monitoring and Laboratory Division

cc: Lou Roberto  
South Coast Air Quality Management District

John Schroeder  
San Joaquin Valley Unified Air Pollution Control District

Dan Reiswig  
Department of Food and Agriculture  
Division of Measurement Standards

Larry McCune  
Department of Industrial Relations  
Division of Occupational Safety and Health

Mike Waldron  
Department of Forestry and Fire Protection  
Office of the State Fire Marshal